Length field value of the Message Length parameter and the Information field containing the DRCP Message.

MLME-SENDDRCP.confirm

This primitive confirms the transmission of a DRCP message to the ARMA. The primitive parameters are as follows:

MLME-SENDDRCP.confirm (
        ResultCode
)

Name	Type	Valid Range	Description
ResultCode	Enumeration	SUCCESS, INVALID_PARAMETERS, NOT_SUPPORTED	Indicates the result of the MLME-SENDDRCP.request

This primitive is generated by the MLME as a result of an **MLME-SENDDRCP.request** to send a DRCP message encoded in an 802.11 Management frame of type Beacon. The ARMA is thus notified of the result of the Send DRCP request.

Power Management Fib

As previously described, one way that a STA can support periodic canvassing is to indicate to the AP that it is in power save mode, thereby causing the AP to buffer the STAs packets while the STA is canvassing. This mechanism supports a STA's ability to

indicate to the AP that it is in power save mode, without actually going into power save mode.

MLME-POWERMGTFIB.request

This primitive requests the SME to use the power save mode interaction with the AP to allow time to canvass other channels. The primitive parameters are as follows:

MLME-POWERMGTFIB.request   (
)

Name	Type	Valid Range	Description
Null	N/A	N/A	No parameters

This primitive is generated by an SRMA to cause the MLME to borrow part of the doze time (if the STA is in power save mode) or all of the doze time (if the STA is in active mode) in order to canvass other channels.

This request causes the SRM to:

1. save the current power management mode settings

2. set:

   a. power management = Power_Save

   b. WakeUp = FALSE

   c. ReceiveDTIMs = FALSE

3. signal the AP that it is using power management mode.

This request prepares the SRM to:

1. at the start of the power save cycle, signal the SRMA by sending an **MLME-PSSTART.indication** while actually keeping the power on.

2. catch any user or net manager power mode management operations and cause them to use the saved settings, not the active settings.

MLME-POWERMGTFIB.confirm

This primitive confirms the change in power management mode to the SRMA. The primitive parameters are as follows:

MLME-POWERMGTFIB.confirm (
ResultCode
)

Name	Type	Valid Range	Description
ResultCode	Enumeration	SUCCESS, INVALID_PARAMETERS, NOT_SUPPORTED	Indicates the result of the MLME-POWERMGMTFIB.request

This primitive is generated by the MLME as a result of an **MLME-POWERMGTFIB.request** to mimic power save mode. The SRMA is thus notified of the change of power mode indicated.

Power Save Start

This mechanism notifies the SRMA that it can begin to canvass.

MLME-PSSTART.indication

This primitive indicates to the SRMA the start of the power save cycle. The STA does not actually power off its radio and enter the sleep state at this point, but preferably, it should not transmit outgoing frames after sending this indication until it receives an **MLME-PWRMGMTFIBCONTINUE.request**. The primitive parameters are as follows:

MLME-PSSTART.indication   (
)

Name	Type	Valid Range	Description
Null	N/A	N/A	No parameters

This primitive is generated by an SME to indicate the start of power save cycle. The SRMA is thereby notified of the start of the power save cycle.

Power Management Restore

This mechanism further supports a STA's ability to indicate to the AP that it is in power save mode, without actually going into power save mode.

MLME-PWRMGMTRESTORE.request

This primitive tells the MLME that it should restore the user-configured power save mode. This primitive allows the SRMA to tell the MLME that it no longer needs to lie to the AP about power save (that control over power save is passed back to the MLME). The primitive parameters are as follows:

MLME-PWRMGMTRESTORE.request (
)

Name	Type	Valid Range	Description
Null	N/A	N/A	No parameters

This primitive is generated when the canvass mechanism is taken out of service. The receipt of this primitive causes the SRM to restore the saved power management mode settings and:

1. if saved power mode was ACTIVE, immediately force the awake state;
2. if saved power mode was POWER_SAVE, continue normal power save mode operation.

MLME-PWRMGMTRESTORE.confirm

This primitive confirms the change in power management mode to the SRMA. The primitive parameters are as follows:

MLME-PWRMGMTRESTORE.confirm (

ResultCode

)

Name	Type	Valid Range	Description
ResultCode	Enumeration	SUCCESS, INVALID_PARAMETERS NOT_SUPPORTED	Indicates the result of the MLME.PWRMGMTRESTORE.request

This primitive is generated by the MLME to confirm that the SME has executed an **MLME-PWRMGMTRESTORE.request**. It is not generated until the change has been indicated. Upon receipt of this primitive, the SRMA is notified of the change of power mode indicated.

Power Management Fib Continue

Once canvassing is complete, this mechanism informs the SRMA that it "has control" of the radio and communicates power save state (awake or doze).

MLME-PWRMGMTFIBCONTINUE.request

This primitive tells the MLME that it's safe to enter the awake state and transmit frames if desired. The primitive parameters are as follows:

MLME-PWRMGMTFIBCONTINUE.request   (

)

Name	Type	Valid Range	Description
Null	N/A	N/A	No parameters

This primitive is generated when the SRMA is has completed canvassing. Upon receipt, the MLME enables transmission of user data frames, if necessary.

MLME-PWRMGMTFIBCONTINUE.confirm

This primitive confirms the change in allowed power management state. The primitive parameters are as follows:

MLME-PWRMGMTFIBCONTINUE.confirm (
ResultCode
)

Name	Type	Valid Range	Description
ResultCode	Enumeration	SUCCESS, INVALID_PARAMETERS, NOT_SUPPORTED	Indicates the result of the MLME.PWRMGMTFIBCONTINUE.request

This primitive is generated by the MLME to confirm that the SME has executed an **MLME-PWRMGMTFIBCONTINUE.request**. It is not generated until the change has been indicated. Receipt by the SRMA serves as notification of the change of the allowed power save mode.

Channel Out

This mechanism supports the ability to indicate to an ARMA that a channel has gone out of service.

MLME-CHANNELOUT.indication

This primitive reports to the ARMA that a channel that was previously available has become unavailable. The primitive parameters are as follows:

MLME-CHANNELOUT.indication   (
Channel
)

Name	Type	Valid Range	Description
Channel	Integer	0 - 255	Channel identifier

This primitive is generated by the MLME when a channel becomes unavailable. Receipt of this primitive causes the ARMA to remove the channel from its channel map.

Channel In

This mechanism provides the ability to indicate to an ARMA that a channel has gone into service.

MLME-CHANNELIN.indication

This primitive reports to the ARMA that a channel that was previously unavailable has become available. The primitive parameters are as follows:

MLME-CHANNELIN.indication (
                          Channel
)

Name	Type	Valid Range	Description
Channel	Integer	0 - 255	Channel identifier

This primitive is generated by the MLME when a channel becomes available. Receipt of this primitive causes the ARMA to add the channel to its channel map.

Beacon Notify

This mechanism supports the ability to detect any other APs using the same channel.

MLME-BEACONNOTIFY.request

This primitive requests the MLME to notify the ARMA whenever a beacon is received. There is one indication for each Beacon received. An indication is generated any time a Beacon is received on the current channel. The primitive parameters are as follows:

MLME-BEACONNOTIFY.request   (
                          Notify Enable
)

Name	Type	Valid Range	Description
Notify Enable	Boolean	True or False	When True, indicates that the PIOTE is to be notified of any Beacons received. When False, this mechanism is to be disabled.

This primitive is generated by an ARMA when it wants to be notified of any beacons received on its own channel. Receipt of this primitive by an MLME causes the MLME to enable a mode whereby the ARMA will be notified if any Beacon is received.

MLME-BEACONNOTIFY.confirm

This primitive confirms the change in the beacon notification mechanism. The primitive parameters are as follows:

MLME-BEACONNOTIFY.confirm　　　(
　　　　　　　　　　　　　ResultCode
　　　　　　　　　　　　　)

Name	Type	Valid Range	Description
ResultCode	Enumeration	SUCCESS, INVALID_PARAMETERS, NOT_SUPPORTED	Indicates the result of the MLME-BEACONNOTIFY.request

This primitive is generated by the MLME as a result of an **MLME-BEACONNOTIFY.request**. Reciept of this primitive by the ARMA serves as notification of the change of Beacon Notify as indicated.